

video signal on the LCD; and

A<sup>2</sup>  
cond.

a PWM and shutdown circuit for supplying power to the LCD and shutting down the LCD when the LCD has been idle for a preset period.

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7. (Once Amended) An LCD driving circuit for driving an LCD to display a video image, comprising:

A<sup>3</sup>  
a digital gamma-correction and inversion circuit, coupled to directly receive a digitized video signal from a display memory, for performing a digital gamma-correction process on the digitized video signal and then performing a polarity inversion process on selected lines of the gamma corrected video signal;

a digital-to-analog conversion means, coupled to said digital gamma-correction and inversion circuit, for converting the digital output of said digital gamma-correction and inversion circuit into analog form; and

an LCD timing control circuit, coupled to an external time control circuit, said digital gamma-correction and inversion circuit, and said digital conversion means, to directly receive a plurality of video control signals associated with the digitized video signal, for converting the video control signals into an LCD timing control signal to control the display of the digitized video signal on the LCD.

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[ Please cancel claim 8 without prejudice and disclaimer.